

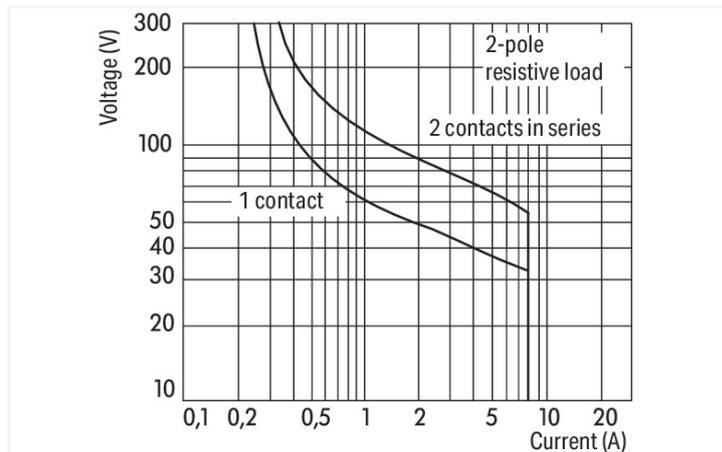
## Data Sheet | Item Number: 788-168

Basic relay; Nominal input voltage: 110 VDC; 2 changeover contacts; Limiting continuous current: 8 A; Module width: 13 mm; Module height: 15 mm

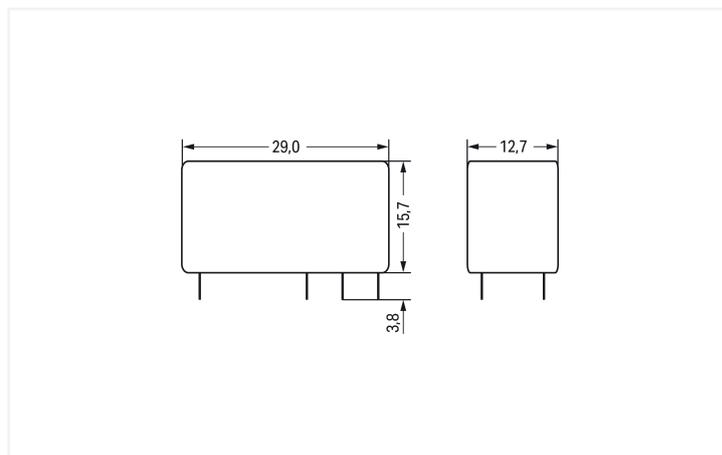
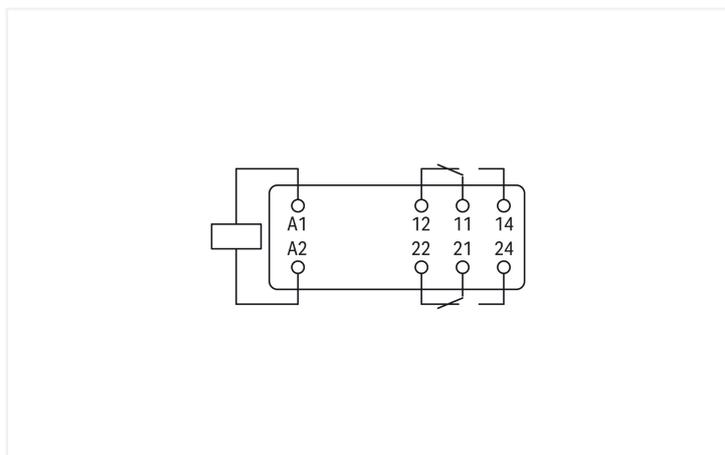
<https://www.wago.com/788-168>



Similar to illustration



DC load limit curve



Dimensions in mm

### Technical data

#### Control circuit

Nominal input voltage $U_N$	110 VDC
Nominal input current at $U_N$	4 mA

#### Load circuit

Number of changeover/switchover contacts	2
Contact material (relay)	AgNi 90/10
Limiting continuous current	8 A
Inrush current (resistive) max.	(AC) 15 A / 4 s
Switching Voltage, Max.	250 VAC
Switching power (resistive) max.	AC 2000 VA; DC (see load limit curve)
Switching capacity	AC-15: 3 A / 250 VAC; DC-13: 2 A / 24 VDC
Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	8 ms
Drop-out time (typ.)	6 ms
Bounce time (typ.)	10 ms
Electrical life (NO; resistive load; 23 °C)	10 x 10 <sup>8</sup> switching operations
Mechanical life	30 x 10 <sup>6</sup> switching operations

### Load circuit

Switching frequency with/without load (max.)	6 min <sup>-1</sup> / 1200 min <sup>-1</sup>
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### Safety and protection

Dielectric strength (control/load circuit) (AC, 1 min)	5 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)	2.5 kVrms

### Physical data

Width	12.7 mm / 0.5 inches
Height from the surface	15.7 mm / 0.618 inches
Depth	29 mm / 1.142 inches

### Mechanical data

Mounting type	Pluggable module
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### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Fire load	0 MJ
Weight	13.4 g

### Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-40 ... +85 °C
Ambient temperature (storage)	-40 ... +85 °C

### Standards and Specifications

Standards/specifications	EN 61810-1
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### Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821867838
Customs tariff number	85364900990

### Product Classification

UNSPSC	39122334
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 9.0	EC001437
ETIM 10.0	EC001437
ECCN	NO US CLASSIFICATION

**Environmental Product Compliance**

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	90c33ee2-b006-4112-b630-fe4f7db7a01e
SCIP notification number (Belgium)	cd5ce0f2-11e5-4c9d-aea0-6352bb8efc3c
SCIP notification number (Bulgaria)	0fe922b3-f37b-411b-90e2-8d0199d68e11
SCIP notification number (Czech Republic)	3474c17a-c8f7-4e5b-9fc6-fec945cb619f
SCIP notification number (Denmark)	538475e7-ae22-4717-8f22-038b1f404973
SCIP notification number (Finland)	627634be-4475-41e9-8308-b2eb43318f1b
SCIP notification number (France)	6f5f36af-f58f-4fad-8215-d334aff7072f
SCIP notification number (Germany)	466245df-161c-4019-84c0-4adc54488dc7
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SCIP notification number (Sweden)	88ad62d3-7ea7-4efc-81f5-e28fa83f20f7

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance 788-168	<a href="#">↓</a>
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**Documentation**

**Bid Text**

788-168	19.02.2019	xml 3.59 KB	<a href="#">↓</a>
788-168	20.02.2019	docx 15.59 KB	<a href="#">↓</a>

**CAD/CAE-Data**

**CAD data**

2D/3D Models 788-168	<a href="#">↓</a>
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**CAE data**

WSCAD Universe 788-168	<a href="#">↓</a>
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## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Socket

##### 1.1.1.1 Socket without relay



**Item No.: 788-102**

Relay socket; 2 changeover contacts; for 15 mm basic relays; gray